IP POWER 9258SX

USER MANUAL

USER MANUAL

IP POWER 9258SX Series
Version: V1.38
2006.08

Warning:

Any changes to this equipment without permission may cause damages to your equipment! This equipment has been proved by CE & FCC to can be prevented from the influence of harmful electronic jamming in normal business use condition.

IMPORTANT NOTICE

1. We have no responsibility for the possible damage caused by improper usage or abnormal working environment.
2. Do not use IP POWER in strong shaking condition.
3. Please contact the dealer If IP POWER works improperly.

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We are exempt from notify any change of our products.

Table of Content

1. INTRODUCTION 4

FEATURES .....
9258 FUNCTION DESCRIBE .....

2.SPECIFICATION 5

PACKAGE CONTENTS .....
MINIMUM SYSTEM REQUIREMENTS .....

3.INTERFACE DESCRIPTION 7

4.HARDWARE & SOFTWARE INSTALLATION 10

HARDWARE INSTALLATION .....
SOFTWARE INSTALLATION .....

5. INITIAL SETTING 12

INITIAL SETTING THROUGH ETHERNET .....
SETTING OF SOFTWARE SHUT DOWN CONTROLLED PC/ SERVER.....

6. HARDWARE CONTROL AND SETTING 15

7. CONTROL AND SETTING THROUTH THE INTERNET EXPLORE 16

LOGIN .....
CONTROL THE POWER SUPPLY OF OUTLETS.....
POWER SUPPLY STATE QUERY.....
SYSTEM SETTING ..... …
SETTING THE PASSWORD.....
SETTING THE IP ADDRESS.....
EMAIL SETTINGS..... …
SETTING THE TIME SCHEDULE.....
SETUP UP OWN OUTLET DEFAULT STATUS .....
. Internal Clock Settings & Network Time Protocol (NTP).....
. WAKE ON LAN.....
. GPRS FOR CELL PHONE : SUPPORT WAP.....
. FIRMWARE UPDATE: .....
.

8. DDNS SETTING..... …25

9. CHECK STATUS THROUGH SNMP 26

10. CONTROL AND SETTINGS THROUGH HTTP ORDER.....27

11. FAQ 29

12. Webpage Customization **29**

1. Introduction

IP POWER 9258S is a web controller which can be easily used in the industry field. With the remote network control technology, user can control or query the power supply of equipment.
User can do this in any computer connected to the internet or local area network, there is no special program needed, also there is no need to open the external case of the computer.
Try to imagine that while traveling in a foreign country, you can control the power supply of your electric equipments, such as a computer, a server, a router, an entrance guard or security / surveillance system directly or use a time schedule comes with the IP POWER . You can remotely control the power switch with any computer connected to the network, which is not only convenient, but it also big saving on the manpower and time.

Feature

1. Built in web server, can be used through the Ethernet or Internet network .
2. Support multiple browser, such as Internet Explore, Netscape, you can operate the switch and check the state without any special program .
3. **Control 8set AC outlet equipment at the same time.**
   *** 4 Set : power control by** standard IEC 320 Outlet connectors .
   *** 4 Set : power control by** power outlet connectors .
4. **Support multiple electric power outlet : For UK, Australia , France and German .**
5. Supported HTTP, DDNS, SMTP, ,SNMP, INTERNET- fixed IP, DHCP, LAN - virtual IP
6. Security passwords identify. Easily installed and can be updated online.
7. Supported serial port communication, indicate all kinds of real time state of 9258.
8. Separated LED indicates the state of each switch.
9. Develop tool (**SNMP**) is provided. It can be modified to meet the user's special need.
10. Safely designed for high voltage resistance and protection for leakage of electrical currency, using nonflammable material
11. **Network Server reboot** -- can remote control to reboot the power on for the PC or Server at remote site ,
12. **Timer Schedule** -- can pre-set the time schedule to turn power on / off thru Internet / Ethernet.
13. **Support NTP (Network Time Protocol) -** synchronize the time of 9258 to the Internet web address time .
14. **WAP Mobile Phone Control** - can use the GPRS cell phone via WAP to control
15. **Setup up own outlet default :** when regain power it store each outlet to those status setting.
16. Provide **SDK (VB & VC)** for own Software develop and application .
17. **Safety shut down controlled PC/ Server (WINDOWS OS) by own software .**

Specification

* Maximum rated voltage of each 4 outlet : 250V AC, 24V DC
* Maximum rated currency of each 4 outlet : **15A AC/DC,**
* Maximum rated currency of **Individual outlet : 6A AC/DC**
* Action delay: Max 10ms
* Working temperature: 0~ 70°C

2. Specification

Package contents

One set of 9258S Series :

* 9258SF :

* 9258SG -

* 9258SA -

* 9258SU -

Connect cable (Mini 8P - Mini 8P):

Option : RJ45 (Cat5) net wire

Option : Power Cable (Inlet) :

Minimum System Requirements

- Intel Pentium III 300MHz or above/compatible AMD CPU
- WINDOWS operating system (IE5.0+SPI) & LINUX
- Minimum 64MB RAM
- VGA Card: supported direct draw
- Network card with RJ45 port & Ethernet HUB or Switcher
- Network : FIX IP address for Internet power control .

NOTICES:

1. IP Power 9258S Series :
   * For **220-250V :** please use **power (Input) cable at Maximum 10A current for each power input**.
     Total Max output current for per 4 outlets : 10A.
     Individual Max output current for per outlet : 6A.

   * For **100-120V :** please use **power (Input) wire at Maximum 15A current.**.
     Total Max output current for per 4 outlets : 15A.
     Individual Max output current for per outlet : 6A.

3. Interface Description

There are total four models of IP Power 9258S Series , please refer the outlet style each model as follow :

Model & outlet style	Outlook : Front	Outlook : Back	Country
IP Power 9258SA : 4 IEC320+ 4 AS3112			Argentina, Australia, China, New Zealand.
IP Power 9258SF : 4 IEC320+ 4 CEE7			Pan - European : Belgium, Czech, France, Monaco, Poland, Slovakia.
IP Power 9258SG: 4 IEC320+ 4 CEE7 Schuko			Pan- European : Austria, Bulgaria, Estonia, Finland, German, Greece, Hungary, Iceland, Italy, Korea-South, Latvia, Luxembourg, Netherlands, Norway, Portugal , Romania, Russia, Slovenia, Spain, Sweden, Turkey, Ukraine.
IP Power 9258SU: 4 IEC320+ 4 BS1363			Hong Kong , Indonesia, Iraq, Ireland, Malaysia, Singapore, Saudi Arabia, U.A.E., UK, Vietnam.
9258SG & SF: * 4 IEC320+ 4 CEE7 * 4 IEC320+ 4 CEE7 Schuko			Chile, Denmark, Egypt, Greenland, India, Iran, Israel, South Africa, Switzerland, Swaziland.

There are two box for IP Power 9258SX Series(SF / SG / SA / SU) : include IP Power 9258S & 9258 Outlet

* **IP Power 9258S (Mother Device)** : all four series apply same main device.

Front panel show as below:

****

* From left to the right :

1. Power Reset: Self-protect AC reset button. IP Power 9258S can cut off the power supply of outlets automatically if there is a shortcut or current overload. After user having solved the problem, push the **reset** button, the AC power supply will become normal.

2. LED: 4 LED indicator lights (Outlet 1-4) . If the LED is on, means the corresponding outlet is power on.
3. RS232 port: Detect each output state and get IP address to re-update if update fail .
4. Output : To connect with daughter device - IP Power 9258 Outlet

5. Circle sign and On & Off : Hardware power ON /OFF setup. Please do o refer page 13 for proper operation.

6. RJ45 Ethernet port: Link to the net wire.

* Rear panel shown as below:

From left to the right :
1. 90-240VAC power input port
2. Power switch : the power switch ON /OFF of IP Power 9258S.
3. OUT 1- 4 : 4 individually switched AC outlets

* **IP Power 9258 Outlet (Daughter Device)** : all 4 models with same function but different style outlet.

Front and top panel as below (take IP Power 9258SU as example) :

Front panel from left to right :

1. 90-240VAC power input port
2. Power switch : the power switch ON /OFF of IP Power 9258 Outlet.
3. RESET: Self-protect AC reset button. IP Power 9258 Outlet can cut off the power supply of outlets automatically if there is a shortcut or current overload. After user having solved the problem, push the **reset** button, the AC power supply will become normal.

4. LED: 4 LED indicator lights (Outlet 5-8) . If the LED is on, means the corresponding outlet is power on.
5. External I/O : for connect with daughter device - IP Power 9258 Outlet

Top panel : OUT 5- 8 : 4 individually switched AC outlets

4. Hardware & Software installation

Before you star to use IP Power 9258, please follow the steps below

- Check the package to make sure the contents is complete.
- Prepare one Ethernet HUB or Router
- Check the voltage of the power supply to make sure it is AC 110-240 volt
- Please confirm the specification of your power cable.
  - IP Power 9258S Series : for **220-250V**, please use power cable at MAX 10A for each 4 outlet.
    for **100-120V**, please use power cable at MAX 15A for each outlet.

Hardware installation

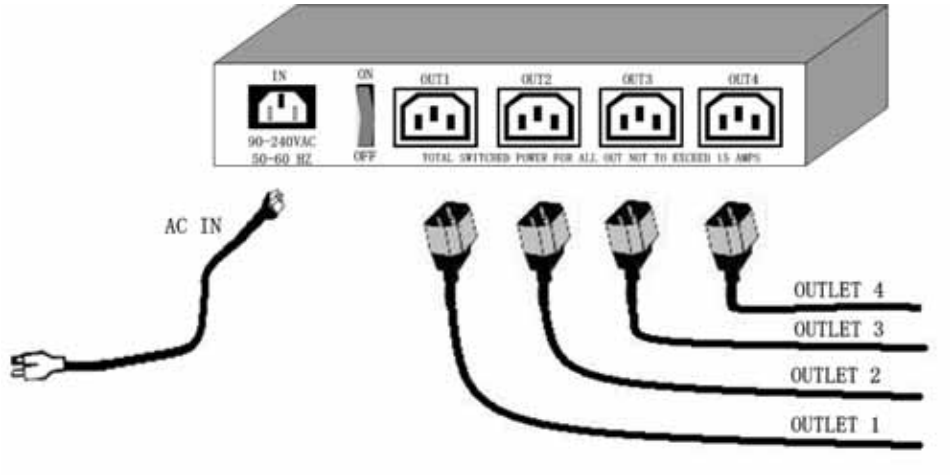
1 Connect the 9258 to HUB through network wire.

2 Connect purple port of 9258S Input " port of 9258 Outlet .

3 Connect the HUB or Router to the internet (may through ADSL/XDSL modem).

4 Connect the power adapter to the 9258.

5 Connect the power adapters of under control electric equipment to corresponding out port of 9258.



Turn on your computer and the power adapter of IP Power 9258

✳ for 220-250V, please use power wire can support 10A current..
Max. output current: (total of each four outlets) 10A , (each outlet) 6A.

for **100-120V**, please use **power wire can support 15A current.**.
Max. output current: (total of each four outlets) 15A , (each outlet) 6A

Software installation

Having connected the power supply and network wire with RJ45 port to the 9258, please install the software by following the steps below:

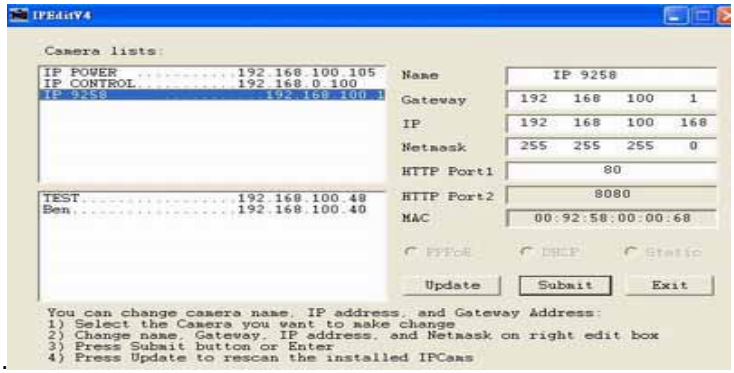
1. Start your computer, put the installation disc in the CDROM, then find the file named " ipedit.exe" in the installation disc.
2. **Save the exe file to your HD or desktop**
3. Start the initial setting process following the construction in next section.

5. Initial Settings

Initial setting through the Ethernet

1. Open attached CD and save IPEDIT.exe in to your Hardisk , execute IPEdit.exe

2. All the IP 92XX series, like IP Power 9258 IP Kamera 9000 series/IP Video 9100 series in the same subnet of the **Ethernet** will be found and be display in the window by the software. The default name of IP Power 9258 is IP 9258



3. Click the equipment's name that you want to edit in the left of the window; it will turn fuscous, the equipment's name and IP address will display in the windows, you can rename (use numbers and letters). After that, click the update button and the new setting will be work in 20 seconds.

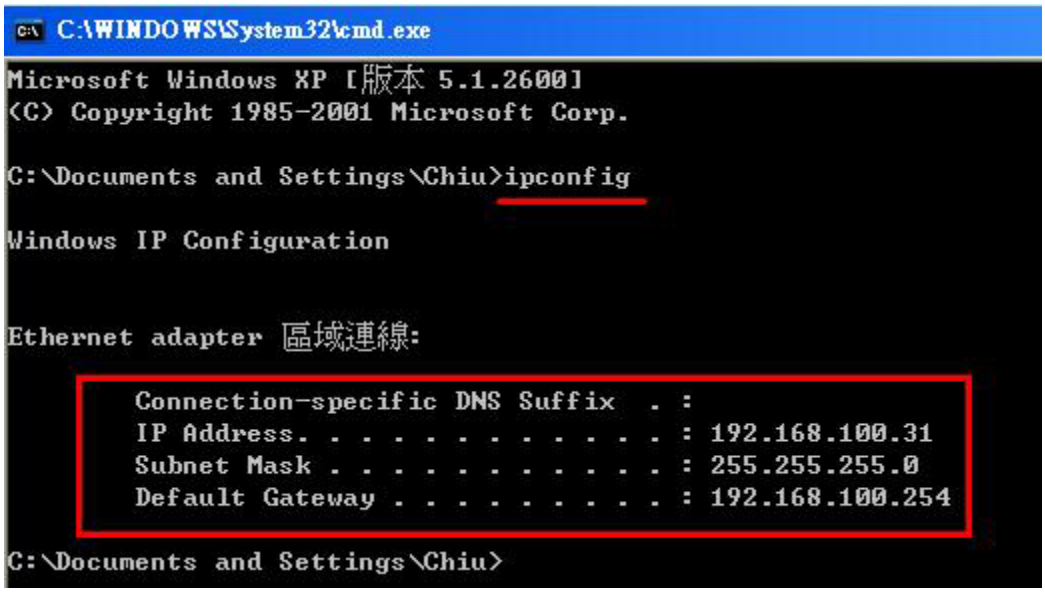
4. Double click the name of the equipment you want to control, the IE browser window will open and connected to this equipment in that Ethernet automatically. You also can type the IP address of the 9258 in the IE browser to open the web page . We suggest you to update the IE to version 6.0 with SP1 or higher if your IE notices you the security level is too low to open that web page.

NOTICE:

1. Make sure RJ45 network cable have been connected and the 9258 are power on.

2. IP Power 9258's default setting is fixed IP address: 192.168.10.100. The IP address of your computer should in the same subnet with that of IP Power 9258's, so that you can open the control web page. In the figure above, the IP address of IP Power 9258 is 192.168.100.168. You can make sure the IP address of your computer first, then use the **ipedit.exe** to modify the IP address of IP Power 9258.after that, your computer can connect to the IP Power 9258.
3. IF user can not enter the control web page, please set the IP address of IP Power 9258 and your computer in the same subnet. User can obtain the computer's IP address, subnet mask, and default gateway through the following method.

start → run→ type in "cmd"→ then open the MS –DOS window, now type in "ipconfig"


C:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Chiu>ipconfig
Windows IP Configuration
Ethernet adapter 區域連線:
Connection-specific DNS Suffix . :
IP Address. . . . . : 192.168.100.31
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.100.254
C:\Documents and Settings\Chiu>

The last number of the IP address (default is 100) can be any number between 1~254, but cannot be the same with that of the computer's. If you want to use it at home, you can enter the web page by typing in the IP, the IE, or using ipedit.exe program.

***Same subnet** : means the first three parts of the IP address must be the same, such as XXX.XXX.X.abc. For example, **192.168.1**.100 and **192.168.1**.123 are in the same subnet.

5 .The default username and password of IP Power 9258 are:

Username: admin
Password: 12345678

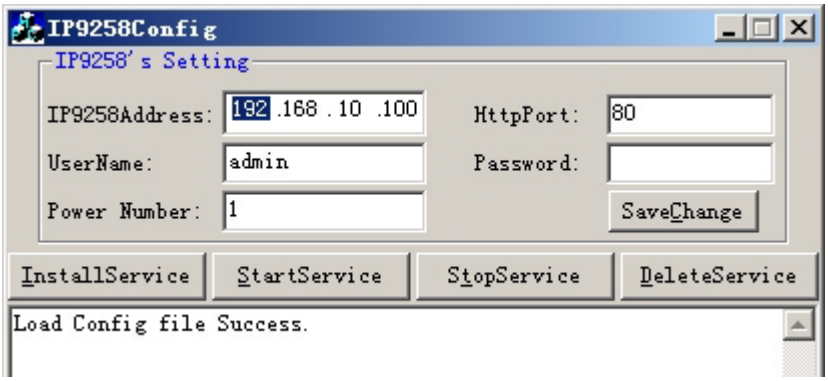
Setting of software shut down controlled PC/ Server

9258 can safety turn off the PC/Server through Network then cut off the power of PC /Server . By this way you can remote shut down PC/ Server which is connect with IP Power 9258 by normal Windows shut down procedure, Please install our software on controlled PC/ Server by following step:

1. Please install program " IP9258service.exe " in controlled PC.
2. If there is operate program like WINDOWS OFFICE which can not be save automatically. 9258 will still shut down controlled PC/server without save the file.
3. To reserve enough time for controlled PC / Server shut down after receive 9258 command. Please set the delay time at 30 or 60 second in 9258 web page(**setup→ delay switch)**.
4. The controlled PC /Server must be in the same ETHERNET and the same SUBNET.

Installation &setting of " IP9258service.exe" :

1. Insert attached CD in controlled PC .
2. Please install double click " IP9258config.exe" , then go to the install page as right illustration:



3. Please fill correct information in each section :

IP9258 Address： please type in the IP address of 9258.

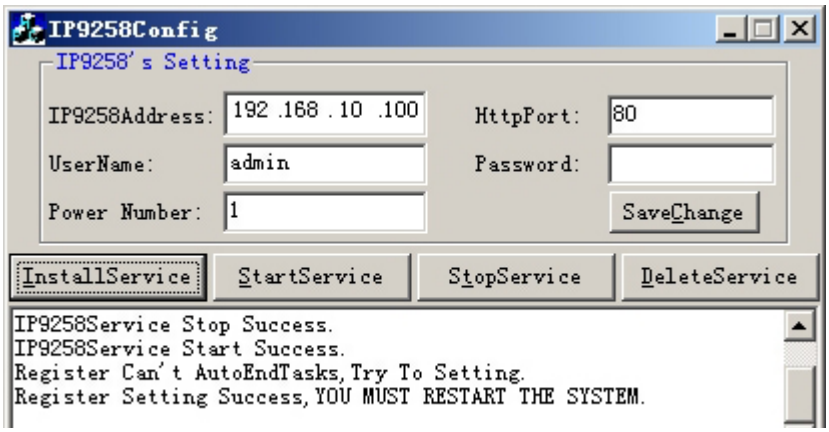
HttpPort：please fill the port of 9258, default value is 80, if amend the port in 9258 please do correct

UserName： admin

PassWord：12345678 (password can be amend in web page)

Power Number： please fill the power channel in 9258 you would like to control (If many PC/Server use same power extended line, the extended line connect to channel 1 of 9258 and if all the PC / Server set as channel 1 and same IP address in IP9258service.exe , then all the PC/Server will be controlled at same time).

After fill above setting please click “Save Change “. Click “InstallService” then “StartService” then please shutdown the PC/Server . After restart PC, the function start working.



6. Hardware control & setting

* Hardware control the power on/off. :

NOTE: Before use H/W control function, please do UNPLUG / DISCOUNT all the connection of 8 outlet .

Control panel as follow:

1. Round circle button (Left) : select power outlet 1 ~4.
2. ON/ OFF button (Right) : Open /Close the H/W control function And turn ON/OFF each outlet.

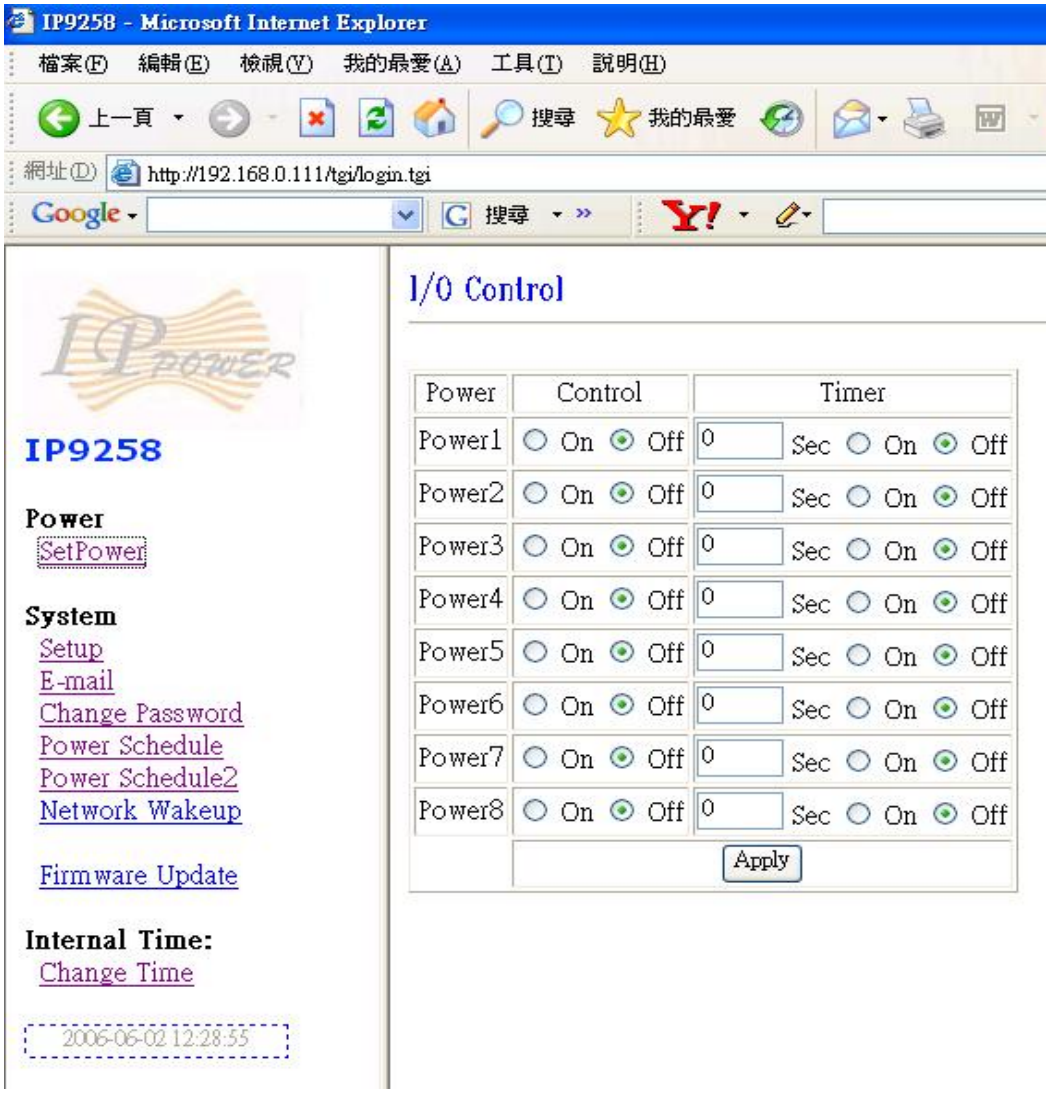
To do the Hardware control function, please unplug all the outlet connection first.
Press “ON/OFF” button for 5 seconds then you can hear one fast bee which mean enable the H/W function. Then you can see the power light of front panel is flashing and the relay is ticking.

From the power light flash situation, the outlet which is not keep flash can be control the ON& OFF setting by click “ON/OFF “ button soon. You can select different outlet by click “Round circle “ button.

To disable the Hardware control function, please Press “ON/OFF” button for 5 seconds then you can hear one fast bee which means disable function.

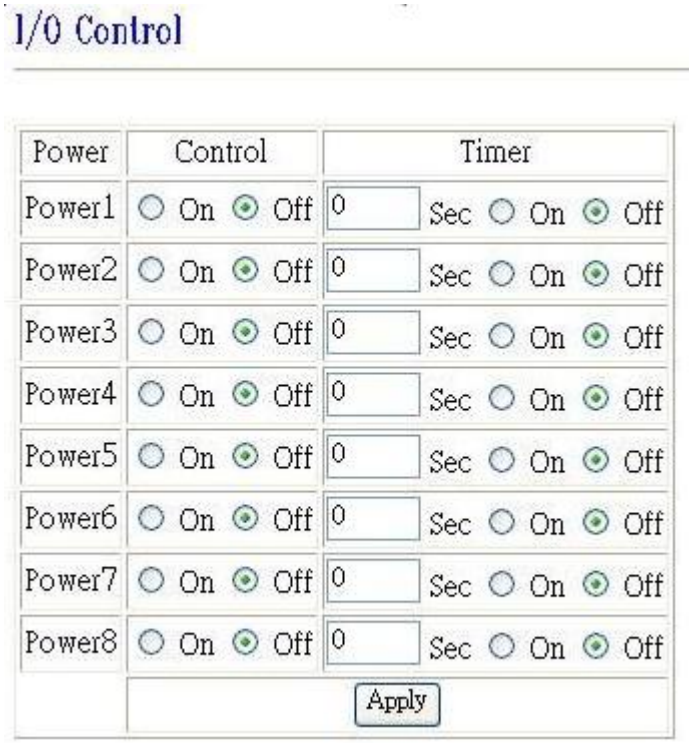
7. Control and settings through the Internet Explore)

Type the new IP address of IP Power 9258 in the address field and you can enter the login web page. Input the default username : admin and password : 12345678, or the password reset by you, click **OK,** and you can then enter the Web Control page.



Control the power supply of outlets

Having entered the Web Control page of 9258, click the **SET POWER** button on the left, you can enter the IO setting page as the following figure:


I/O Control
Power
Control
Timer
Power1 On Off 0 Sec On Off
Power2 On Off 0 Sec On Off
Power3 On Off 0 Sec On Off
Power4 On Off 0 Sec On Off
Power5 On Off 0 Sec On Off
Power6 On Off 0 Sec On Off
Power7 On Off 0 Sec On Off
Power8 On Off 0 Sec On Off
Apply

IP Power 9258 can control 8 outputs individually at the same time. User can choose power on or power off with an electrical outlet . User may fill in the corresponding columns with the delay time you wish in seconds, then choose the action after delay to be **on** or **off**.

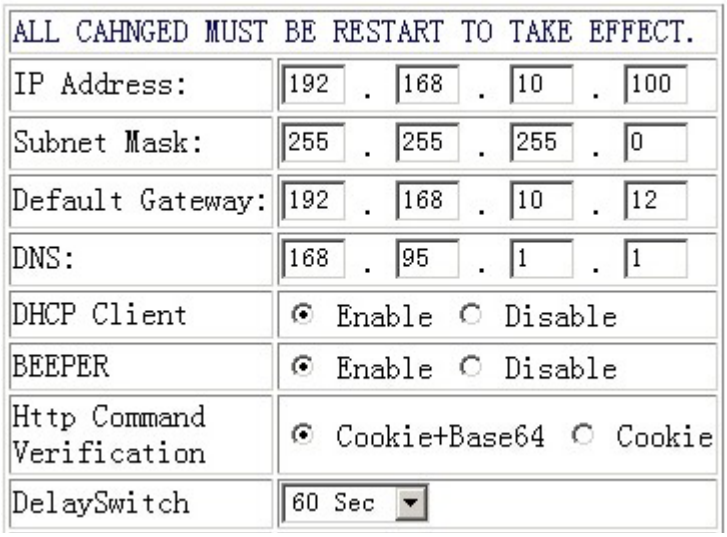
Power Supply State Query

Click the " **Set Power"** button on the left, the page will be refreshed. The state of each electric outlet will be displayed in column control.

System Settings of 9258

User can set the password, IP address, e-mail address, timer setting, online firmware update, and the time of 9258 through the **system settings**.

1. Setting the IP address for IP Power 9258:
Click the " **Setup** " button on the left side; fill in the proper IP address, Subnet Mask, Default Gateway, DNS. If you choose to use DHCP, please make sure that your network support DHCP service so the IP Power 9258 will search and gain an IP address automatically when it start. You can also control the Beeper sound .



* Http Command Verification : setup the control possibility from HTTP command or SDK (VB & VC)

1. Select " Cookie +Base64 " : enable Http command & SDK control
2. Select " Cookie " : enable Http command & SDK control
3. DelaySwitch：to safety turn of PC / Server (Windows OS) by Software program , please set up the delayswitch at 30 / 60 second . It help the PC connected to 9258 had enough time to do the normal shut down work. After setting, all outlet will delay tunr off by appointed time.

1-1 IP address Settings: Ethernet (LAN) and Internet(WAN)

1-1-1 Local Area Network (LAN) :
In LAN, you can set a fixed IP address or gain it from a DHCP server automatically. We suggest to use a fixed IP address in order to let the other computers can visit the 9258.

Now type the new IP address in the address field of IE, you can visit the 9258. You also can use the ipedit.exe to find the IP Power 9258 and modify its IP address.

1-1-2 Work on Internet (WAN) :
User can set the IP provided by your ISP. If the IP Power 9258 has a public IP address,
you can control it through the Internet. IP Sensor 9258 supports fixed IP, DHCP.

* IP Address: please type in the IP address provided by your ISP. If IP Power 9258 is working with a Router, please refer to the network settings of the Router.

* Subnet Mask : please type in the Subnet Mask provided by your ISP. If IP Power 9258 is working with a Router, please refer to the network settings of the Router.

* Default gateway: please type in the Default Gateway provided by your ISP. If IP Power 9258 is working with a Router, please refer to the network settings of the Router.

* DNS Server : please fill in the IP address of DNS server. If you are in Taiwan, you can set it to 168.95.1.1.

* DHCP Clients: Enable– activate DHCP service. DHCP will assign IP address for each PC.
Disable – shut down the DHCP service. You can set the IP address by yourself.
* Beeper : Enable – activate the beeper . Disable – turn off the beeper.

If you control the 9258 through the web page, the beeper will beep once when the operation work.

NOTICE:

1) IP address format : xxx.xxx.xxx.xxx: yyyyy. yyyy means the port number, Ranging from 1 to 32767.
2) Subnet Mask: from 0 to 254 (xxx.xxx.xxx.0 ~ xxx.xxx.xxx.254)
3) If DHCP is disabled, user must set the TCP Port and default Gateway .If DHCP is enabled, then the TCP port will be preset to 80(xxx.xxx.xxx.xxx: 80) and the default gateway will be set by the DHCP server, too..
4) If the TCP port you set is not 80, your should type in the whole IP address and port in IE or Netscape, such as http://xxx.xxx.xxx.xxx:yyyyy , or you can use the ipedit.exe to login into the virtual IP of IP Power 9258.

2. EMAIL SETTINGS:

When you finished the e-mail settings, you can set to let IP Power 9258 send its IP address automatically.

For example:

* Mail Server: abc.com
* Pop3Servcer : cdef.com
* Password : XXXXXXXX
* Sender: 123@abcd.com
* Receiver 1: 456@abcd.com
* Receiver 2: 789@efgh.com
* Receiver 3:
* Subject: 9258 IP address
* MailBody : Hello

1.) Mail Server : the server sends e-mail out.
Please make sure the server is an available mail server.

2.) Pop3Server : the server receive IP address (in Internet WAN) from your ISP
for sending Internet IP address by E-mail when 9258 in Internet.
To receive IP address in WAN , please fill your ISP e-mail receive server.
In this part, please also set the DNS of your ISP in system configuration.

3.) Password : the password of this mailbox is no longer than 8 English letters.

4.) Sender : please fill in the name of sender. The Mail Server must support SMTP and these fields must be filled in correctly.
5.) Receiver :no longer than 50 English letters. Please use blank space to separate two receiver's e-mail address. After you have finished this setting, you will receive the email to inform you the IP address of the IP Power 9258 every time you enter the webpage.

6) Subject : the subject of the mail to be no more than 50 English letters.
7) Mail Body : please type the content of the mail here, it cannot be left empty.

After you have finished all of the above settings, click " **SAVE** " button to save your settings.

3. Setting the password for IP Power 9258 :

Click the " **Change password** " button on the left you can enter the change password page. The default password of 9258 is 12345678.

User can change it into any password (not longer than 8 bit), then click **apply** button to save the change.

Note : **If forget the password ,** Use username **" super user " when log in webpage and then click "OK " turn power off for few second and then turn ON power . 9258 will to set back to default password.** (There is space between super and user.)

4. Control the IP Power 9258 through Time Schedule :
User can control the time when 9258 starts or stop through preset time schedule.
Click the power schedule on the left of the page; you can select enter the time schedule setting

4-1 :Click " power schedule" to control outlet 1-4 .

Power Schedule

Power	Date	Time	PARAMETER	Power ON/OFF
Power1A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power1B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power2A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power2B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power3A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power3B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power4A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power4B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF

4-2: Click " power schedule 2" to control outlet 5-8 .

Power Schedule2

Power	Date	Time	PARAMETER	Power ON/OFF
Power5A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power5B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power6A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power6B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power7A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power7B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power8A	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF
Power8B	2005 _ 05 _ 05	05 : 05 : 05	Disable	ON OFF

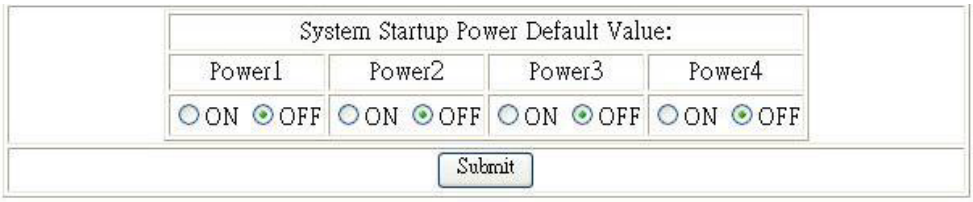
If user wishes to control the power in one outlet of IP Power 9258, you can fill in the time in the power control column and choose on or off.

Support parameter of operate schedule :

* Disable / Just Once / Every day
* Work Day : every Monday to Friday.
* Weekend : every Saturday and Sunday

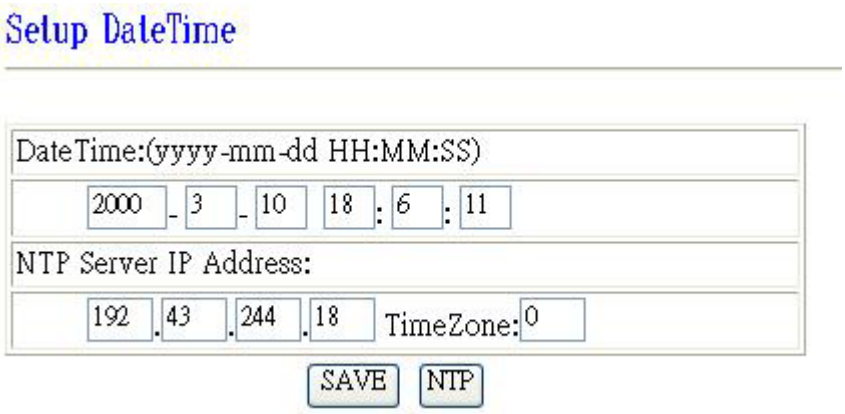
5. Setup each outlet default setting :

When regain power , each outlet will set as appointed default status.



6. Internal Clock Settings & Network Time Protocol (NTP):

* User can enter the internal clock settings : year , month, day , hour , minutes and second.
* NTP function : customer can synchronize the time of 9258 to the Internet web address time .



Please refer following the NTP server IP address :
* 131.246.9.116
* 139.18.25.34
* 128.176.191.9

Note: To work NTP, please do set up in e-mail and have to receive e-mail from 9258.

7. Wake on Lan (WOL):

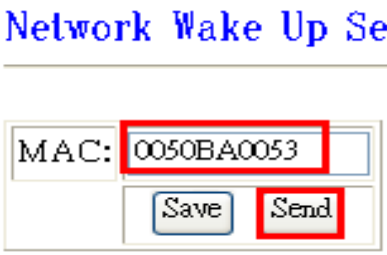
Remote Wake up PC by MAC address in Ethernet (LAN)
Use Network port (RJ45), you can wake PC on WAN by PC `s MAC address.

Wake On LAN (WOL) premise:
(1) The main board needs to support " WOL " function. There must be a port to connect to your network card. If your Main board support WOL , you can enable this function in BIOS setting, you could find this function in Power Management of BIOS setting.
(2) Your network card must support "WOL", remember to connect your connect cable to Main board or the network card can not send "power on" message to your main board.

After setup in main board and network card , you can use WOL function by following two step:

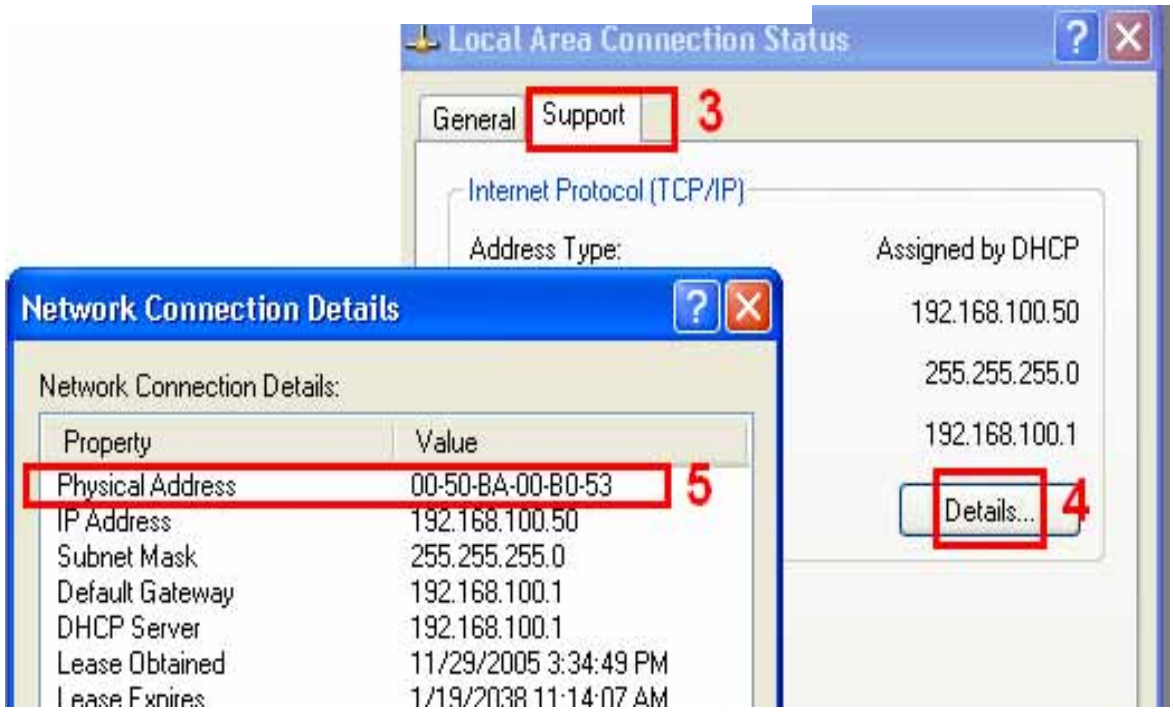
Step 1: Log in 9258 web page and go to "Network Wakeup"

Step 2: Type in your MAC address then press “send ” – the PC will be power ON.



Note:

1. If the Network card is not onboard card, it needs to connect with your Main board by cable. Please refer your network card connection
2. You can get your MAC address in PC , please refer following pictures :
   Go to Network sign → Status → Support → Details
   Then the value in Physical Address “ is the PC` MAC address.



8. GPRS for Cell Phone : Support WAP.

IP POWER 9258 support GPRS function, you can use cell phone (with online function),

We support : Motorola V878 , Sony Ericsson T630 & K700i. .

To setup the online device (real IP address) as operate in browser .:

1) Address setting : key in your online IP address. For example : http://65.59.37.123
the interface is same as in IE(Internet Explore) .
2) The IP Address must be real IP address and can be work on Internet..
3) The name of IP device must be English , or will be encode in wap.

Before using WAP control, please check if your cell phone support GPRS and if your number had apply online service.

9.Firmware update:
If no firmware to update please do not go to this page.

As received new firmware, user can gain more functions for IP Power 9258 through firmware update. Click the firmware update on the right side of the page; the following window will pop up.

Step1 : Click " firmware update ", you will see follow webpage :

Firmware Update
After pressing the Update button, please wait while the update request is being processed. After update is completed, the device will reboot automatically. You can re-login afterwards.
Update
Cancel

Note: **Do not click " update " if no firmware file update .**

Step2 : Click update button, the following window will pop up.

Upgrade Firmware
Please select a file (~.bin) to upgrade :
Upgrade
(Upgrading firmware may take 60 seconds)
Upgrade must NOT be interrupted !

Step3: Click the Brower button to find the corresponding update file (you can download it from our web site or ask it from the dealer), then click Update button to start update firmware. When the update is finished, you must wait one minute before you restart the IP Power 9258.

NOTICE:

*** Before running the online update program, please make sure that the TCP port is set to 80,or the online update may fail.**
* **Please check with your reseller /distributor / importer for the update news.**
- **Id update fail please refer chapter 10 "** Webpage Customization "

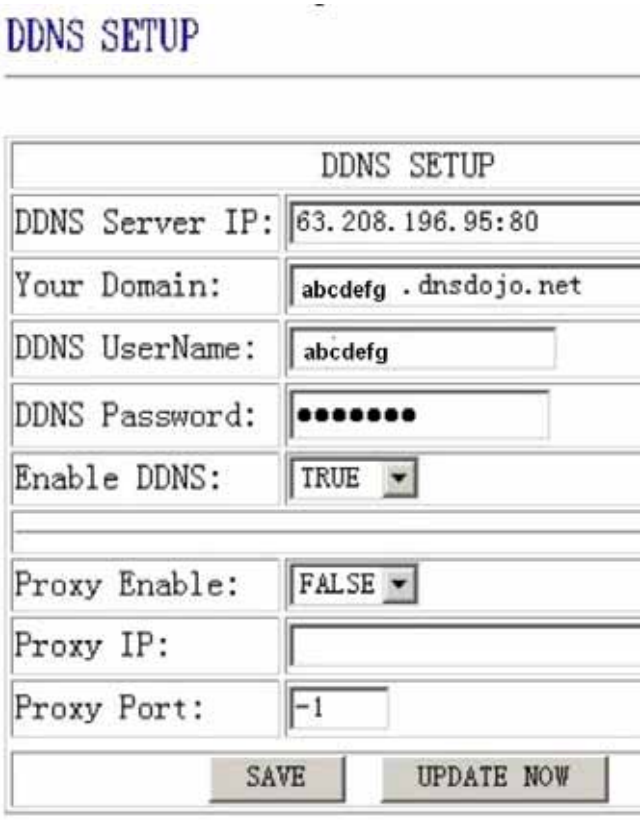
8. DDNS setting

DDNS Server Settings: when your network connects to the Internet through ADSL, the IP address you gain is dynamic assigned by your ISP. So the visitor maybe can not visit the 9216 in local network because don't know its IP address. We use DDNS method to solve this problem. Let's explain that using the DDNS service provided by www.dyndns.com:

First, we apply a domain name (for example, Aviosys) in www.dyndns.com for 9258, set the domain password and select propel DNS server (for example, dnsdojo.net) for domain name resolve. Then input the Domain Name Server (host name), user name, password etc in the DDNS webpage of 9258. after that, every time 9258 start or user select to submit,

9258 will send a message package including its current P address, domain name to www.dyndns.com, then the DNS server you choose will link the domain name of 9258 to its current IP address. So , the visitor can visit the 9258 webpage by input the domain name of 9258 (aviosys.dnsdojo.net) in the address column in browser.

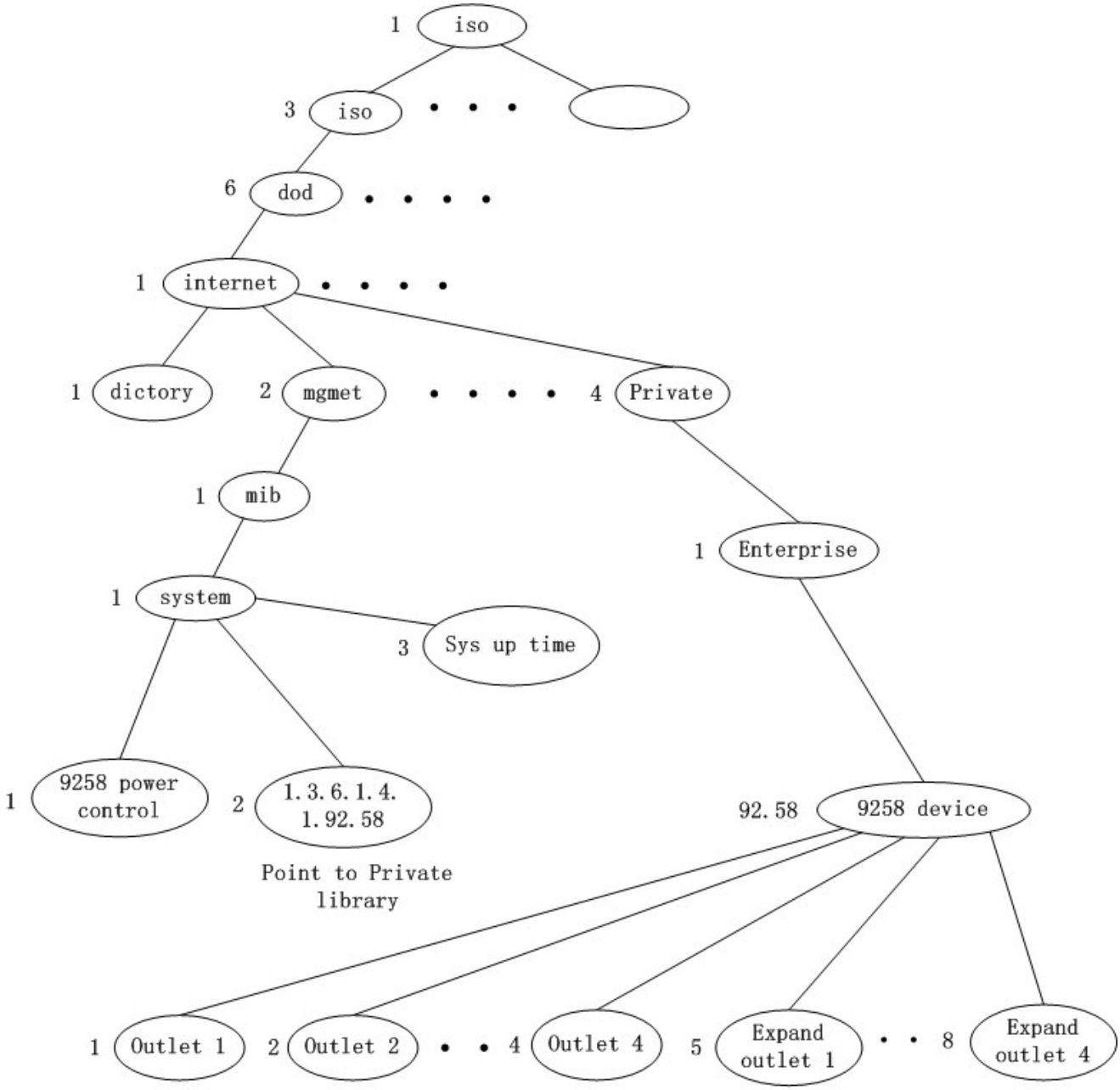
Notice: when finish setting, click SAVE button to confirm it. And click UPDATE NOW button to send DDNS message package to DDNS Server immediately.



1. DDNS IP : Please fill in the IP address of DDNS Server and port number.
2. Domain : Please fill in your total domain name in Your Domain column.
3. DDNS user : Please fill in the DDNS domain name you applied here.
4. DDNS password : Fill in the DDNS password which you applying domain process in DDNS Server.
5. Enable DDNS : You can select true to enable DDNS function or select false to disenable it.
6. Proxy server setting : Sometimes the message package can not send to DDNS directly, you can transmit DDNS message package through proxy server. You can use the proxy server by selecting TRUE in Proxy enable column. You can find the usable IP address and port of proxy server in some BBS, or you can use some proxy server searching software to search for usable IP address and port of proxy server.
7. PROXY IP : Please fill in the IP address of proxy server here.
8. PROXY PORT : Please fill in the proxy port here.

9. Check 9258 status though SNMP

9258 support SNMP V1 and V2 , user can use snmp program to get the status of each port in 9258.



10. Control and Settings Through HTTP Order

User can control the 9258's action directly though the HTTP orders.
The format of the HTTP order is :

http://username:password@XXX.XXX.XXX.XXX/Set.cmd?CMD=*Power+para1=*+para2=*+para3=*……**

Explanations of each part of the order:
Username : 9258's username, default username is **admin**
Password : 9258's password, default password is **12345678**
XXX.XXX.XXX.XXX the IP Address of 9258
CMD=***Power : the function module of 9258
para1 ~ para3 parameters

Example 1 : control the power supply of 9258:

http://admin:12345678@192.168.1.10 /Set.cmd?CMD=SetPower+ P60=1+P61=1+P62=1+P63=0

This command control IP Power 9258 IP address at **192.168.1.0**, user name is **admin** and password is **12345678**.
This order will:
turn on the power of outlet1 (p60), turn on the power of outlet2 (p61),
turn on the power of outlet3 (p62), turn off the power of outlet4 (p63).

When this order is sent, the IP Power will return the following message:

<html>P60=1,P61=1,P62=1,P63=0</html>

*** Function of 9258 :**
1. SetPower : to control I/O - read parameter as follow

out1 set parameter as 0 （output1 disconnect power ）or 1（output1 connect power）

out2—out4 same as out1

2. GetPower : to read I/O pasameter - read parameter as follow

out1 if parameter reply as 0 （output1 disconnect power ）or 1（output1 connect power）

out2—out4 same as out1

http:// /admin:1234567@ 192.168.1.100/Set.cmd?CMD=GetPower

the above command control 9258 IP address as 192.168.1.10, username is admin, password is 12345678 的9258,
as send out thiis command , 9258 will get message as follow: :

<html>P60=1,P61=1,P62=1,P63=0</html>

*** Schedule Control :** User can use Http command to arrange the 9258 operation in specific time , http command format as follow:

http://username:password@XXX.XXX.XXX.XXX/Set.cmd?
CMD=SetSchedule+Power=+YY=****+MM=**+DD=**+HH=**+MN=**+SS=**+PARAM=****+ONOFF=***

Explanations of each part of the order:
Username : 9258's username, default username is **admin**
Password : 9258's password, default password is **12345678**
XXX.XXX.XXX.XXX the IP Address of 9258
Power=** setting of each parameter

Control parameter are 1A 1B 2A 2B 3A 3B 4A 4B .
A means connect power . B means discount power

YY=**+MM=**+DD=**+HH=**+MN=**+SS=*** : time parameter
YY : year (20YY) , 01 = 2001
MM : month (0 1-12)
DD : date (01-31)
HH : hour (24 hours : 0- 23)
MN : minute (1-60)
SS : second (1-60)

PARAM=* : time schedule parameter . Parameter list as follow:

128 operate ONCE
127 EVERYDAY
31 MONDAY to FRIDAY
96 SATURDAY & SUNDAY

ONOFF=* : operate parameter
0 open
1 close

Example 1： control power on / off of 9258：

http:// /admin:12345678@192.168.1.10/Set.cmd?
CMD=SetSchedule+Power=1A+YY=2006+MM=02+DD=16+HH=06+MN=02+SS=16+PARAM=128+ONOFF=1

Above command control one IP Power 9258 IP address at **192.168.1.0**, user name is **admin** and password is **12345678**. This 9258 will connect power of outlet1 (p60) on
2006/2/16 06:02 。

Note：
1. please use + to separate each parameter , you can only control certain power on /off as :

http://admin:12345678@192.168.1.10/ Set.cmd?CMD=SetPower+P60=1

2. Please follow the capital and lower case in command format.

11. FAQ

Q1: I forgot the password and can not enter the administration page now, what can I do?
A1: Use username **" super user " when log in webpage and then click "OK " turn power off for few second and then turn on ON . 9258 will to set back to default password.** (There is space between super and user.)

Q2: Why the on/off operation can work immediately?
A2: if you operate the IP Power 9258 in Ethernet, the operation will work immediately. If you operate it through the Internet, the response speed depends on the situation of the network.

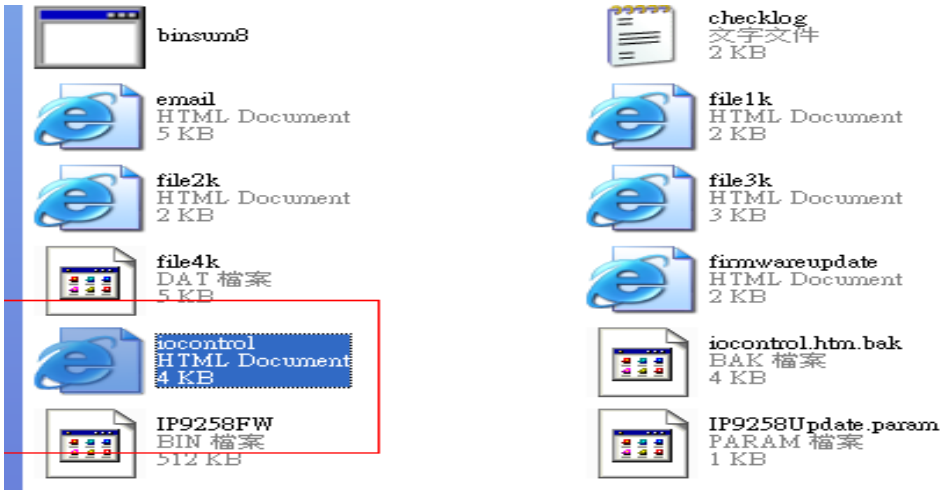
12. Webpage Customization

Customer can use our Web page SDK to amend the word and background pictures for your 9258. If not familiar to write webpage, please do not do this amendment.

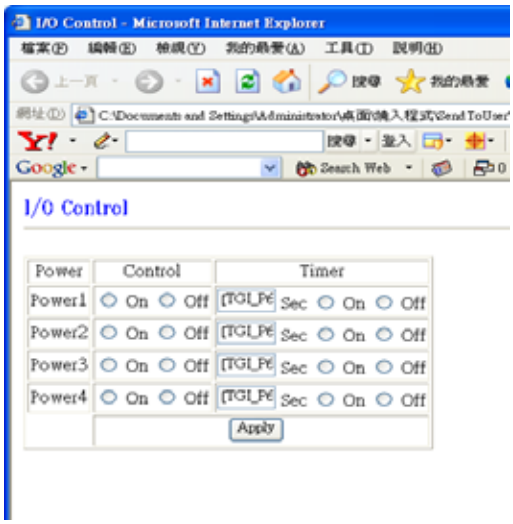
Important Notice:

1. **Each file do not over the original file size.**
1. The character word part do not over the original amount . For instance : "setup " it is 5 characters.
2. **Do not amend the structure of webpage – can only amend words and background picture.**
3. **Only support HTML langrage to amend the webpage.**

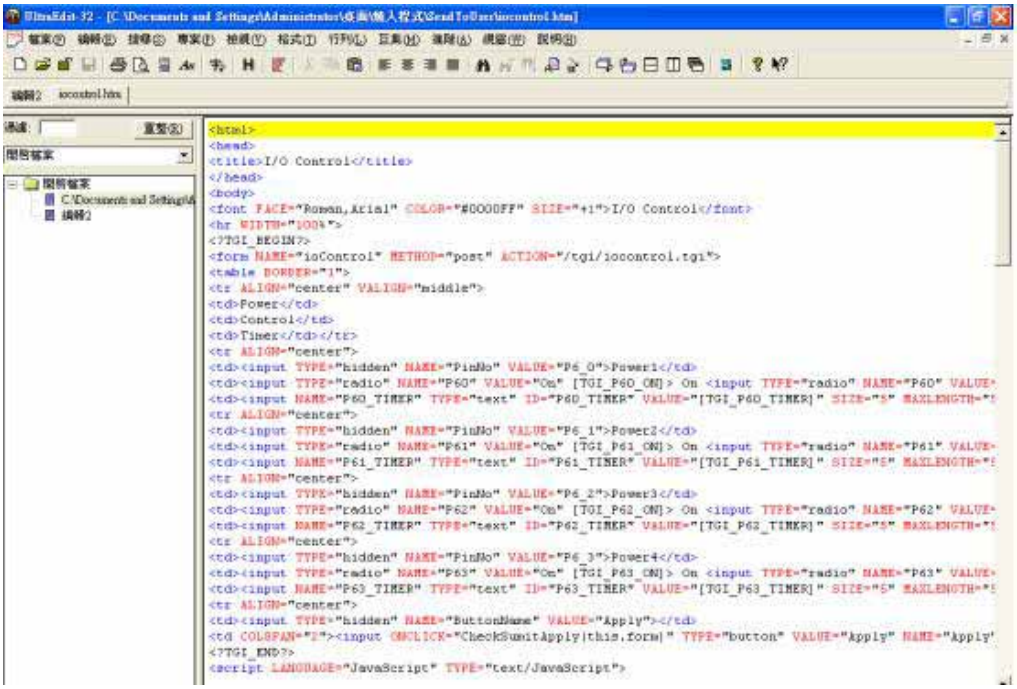
Step 1 : Open the 9258 Webpage SDK file , and choose the webpage planned to amend. For example : web page "ipcontrol " html file "



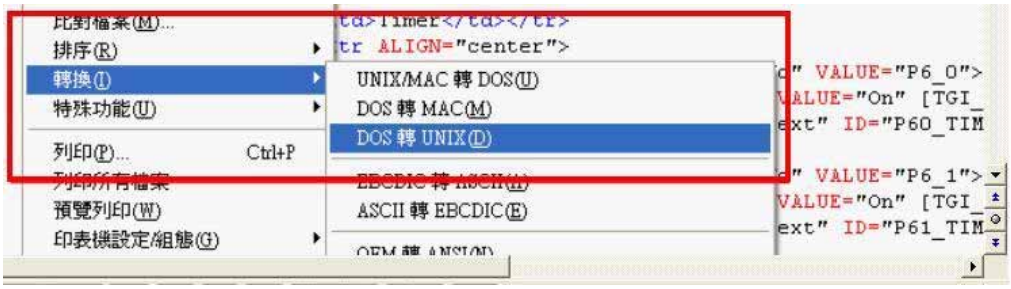
Step 2 : Open amend webpage “ipcontrol “ html file :


I/O Control - Microsoft Internet Explorer
I/O Control
Power
Control
Timer
Power1 On Off [TGI_P6 Sec On Off
Power2 On Off [TGI_P6 Sec On Off
Power3 On Off [TGI_P6 Sec On Off
Power4 On Off [TGI_P6 Sec On Off
Apply

Step 3. Amend webpage by HTML langrage(get from right click as in amend webpage”):

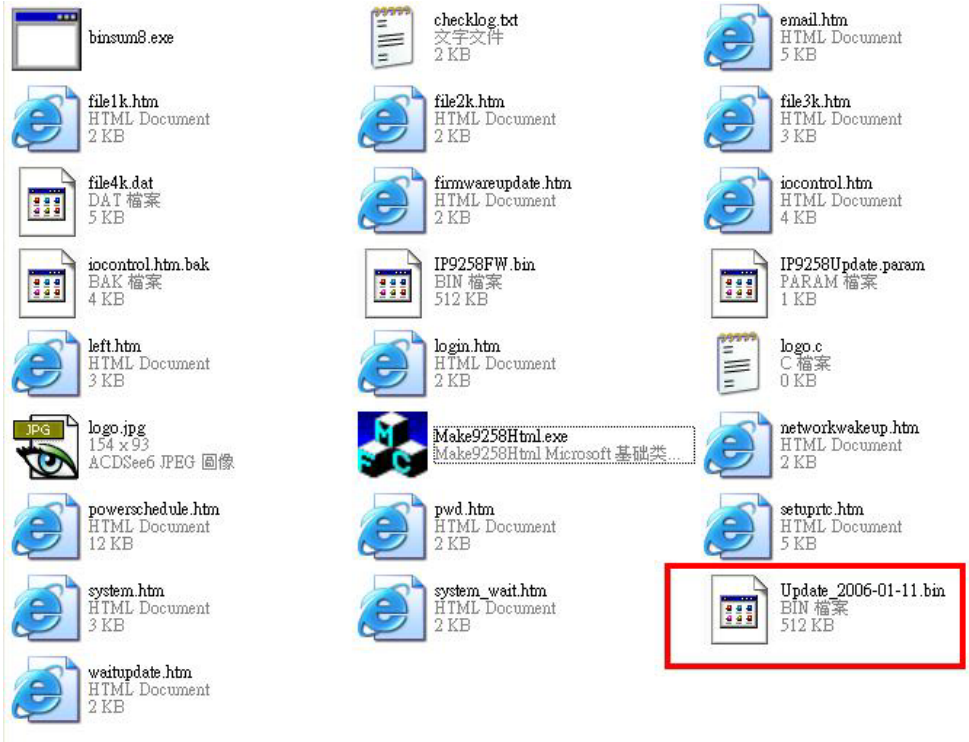


Step 4 :Save file format as “**UNIX**” : Like choose “DOS to UNIX



Step 5. After amend the other 9258 webpage you plan to amend . Please open program “Make9258Html “ in 9258 web page SDK and just press” make html patch”.

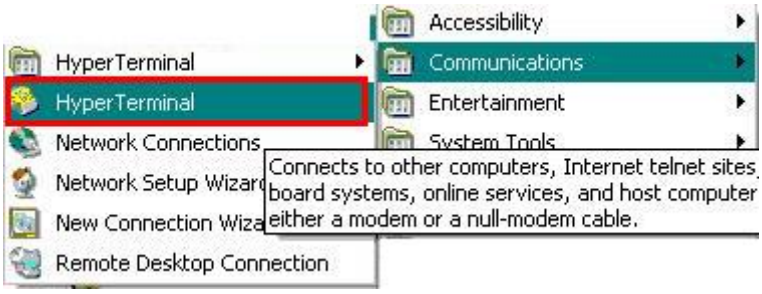
Step 6 . There will be a new file “ Update_2006-01-11.bin” which is the BIN file include the amend webpage. Please follow 9258 update procedure to update the firmware BIN file . Please note the Update procedure must be done in **port 80.**


binsum8.exe
checklog.txt 文字文件 2 KB
email.htm HTML Document 5 KB
file1k.htm HTML Document 2 KB
file2k.htm HTML Document 2 KB
file3k.htm HTML Document 3 KB
file4k.dat DAT 檔案 5 KB
firmwareupdate.htm HTML Document 2 KB
iocontrol.htm HTML Document 4 KB
iocontrol.htm.bak BAK 檔案 4 KB
IP9258FW.bin BIN 檔案 512 KB
IP9258Update.param PARAM 檔案 1 KB
left.htm HTML Document 3 KB
login.htm HTML Document 2 KB
logo.c C 檔案 0 KB
logo.jpg 154 x 93 ACDSee6 JPEG 圖像
Make9258Html.exe Make9258Html Microsoft 基礎類...
networkwakeup.htm HTML Document 2 KB
powerschedule.htm HTML Document 12 KB
pwd.htm HTML Document 2 KB
setuprtc.htm HTML Document 5 KB
system.htm HTML Document 3 KB
system_wait.htm HTML Document 2 KB
Update_2006-01-11.bin BIN 檔案 512 KB
waitupdate.htm HTML Document 2 KB

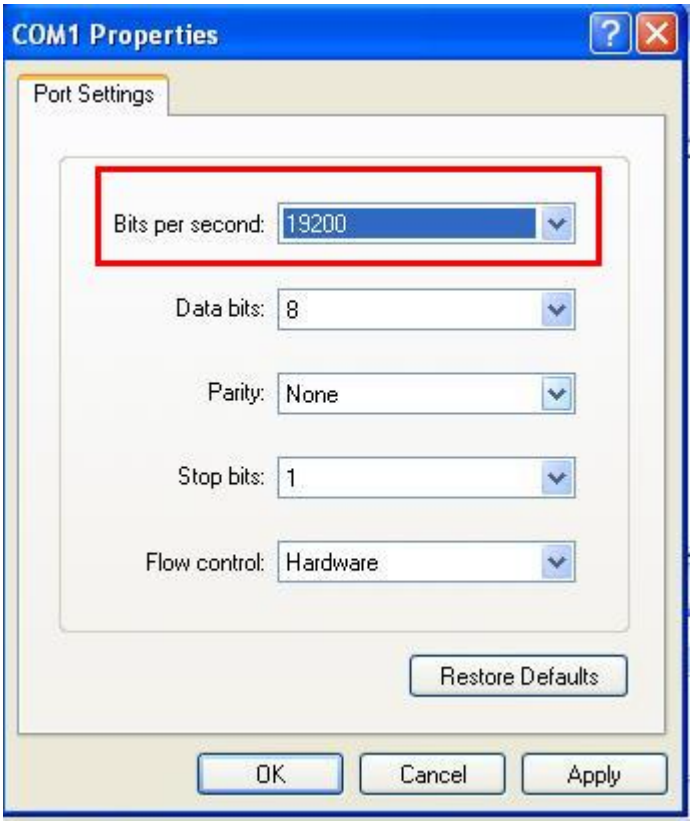
Note: program “Make9258Html.exe “ and amend webpage must in same file.

* **If update fail and can not get IP address by IP EDIT , please use** RS232 jack (DB 9 Cable) connect with the PC and 9258, and you can get IP address to log-in and update again. Please refer follow step:

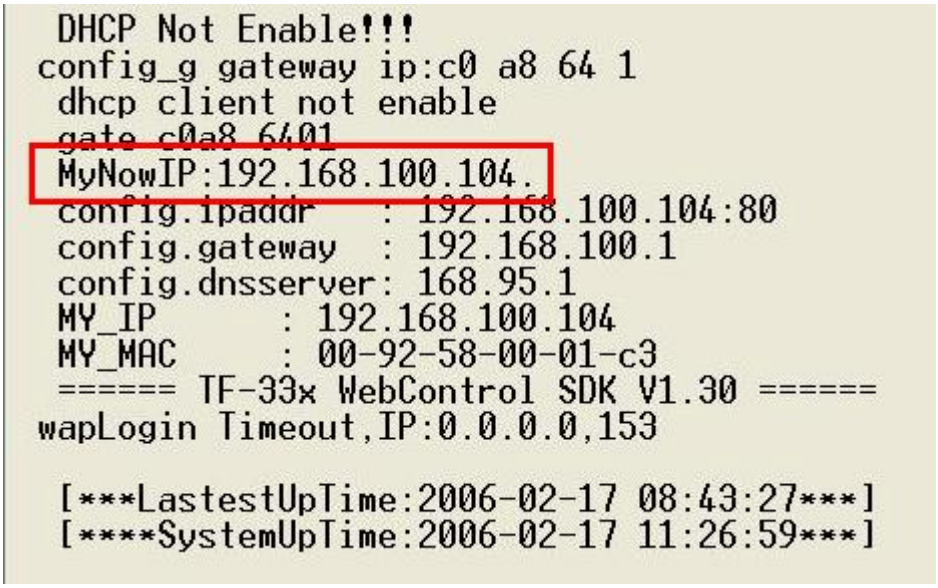
1.POWER OFF the 9258
2. Use DB9 cable connect to the **COM1** of PC and the RS232 of 9258
3. Execute WIN program " Hyper Terminal" : please go to " Start" --> " program" " Accessories " --> " Communications " → “Hyper Terminal” .



Set the “Bits per second” as 19200 at COM1 (Must at COM1)



4. Then power ON 9258 you will get message in Hyper Terminal .
5. Please check the message and get your IP address.



6. Use this IP address to update again. We supply original firmware V1.22 for update f
7. Log tin this address to update again.
8. If still can not finish update successful, please check if create BIN file too big .
   If need to ship BIN file, please use bin file V1.22.bin in SDK to update back to factory version.